



Department of Energy

Pittsburgh Naval Reactors Office
Idaho Branch Office
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NR:IBO-05/069

April 18, 2005

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SUBJECT: SUBMITTAL OF VALIDATED SOIL GAS SAMPLE DATA FOR THE
FOURTH QUARTER 2004

This letter forwards the validated Naval Reactors Facility (NRF) soil gas sample data for the fourth quarter of 2004 collected in support of the NRF Inactive Landfill Remedial Action Operations and Maintenance (O & M) Plan. The data is being submitted within the time frame specified in the Idaho National Laboratory (INL) Federal Facility Agreement/Consent Order (FFA/CO).

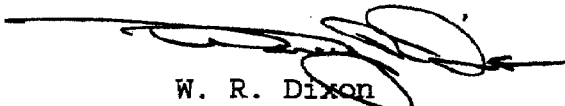
A review of the data indicates that overall soil gas volatile organic data are consistent with past results. Tetrachloroethene (PCE) was detected at all three inactive landfill areas. As has been the pattern in the past, PCE was detected at most of the soil gas monitoring probe locations and, at most of these locations, PCE was detected at higher concentrations than any of the other constituents, but within the range of previously detected levels. Other constituents detected (as determined by the data validation process) at Sites 8-05-1, 8-05-51, and/or 8-06-53 include trichloroethene, 1,1,1-trichloroethane, trichlorofluoromethane (Freon-11), dichlorodifluoromethane (Freon-12), chloroform, benzene, and toluene. Each of these constituents was detected within the

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range of previous concentration levels at the corresponding locations where the constituent has been detected in the past. All of the soil gas data were deemed acceptable and usable by the data validation process.

If you have any questions and/or comments regarding this information, please contact me at (208) 533-5294.



W. R. Dixon
Naval Reactors Idaho Branch Office

Attachment:
As stated

cc: K. Ivy, EPA
M. English, DEQ
~~P. Brown~~

**ATTACHMENT WAS NOT RECEIVED WITH THIS
TRANSMITTAL**

INITIAL gt
DATE 6/6/05